

CS 2813
DISCRETE STRUCTURES
Fall 2022

Instructor: Dr. C. Kim, ckim@ou.edu

Class Meetings: TR 12PM – 1:15PM, Felgar Hall 300

Office Hours: TR 10:30AM – 12PM, On-line Zoom ID: 975 3748 2112, Passcode: 27972559

Teaching Assistant: Shyam Sundar Murali Krishnan, E-mail: shyamkrishnan@ou.edu, Office hours: MW 12PM – 2PM, On-line Zoom ID: 935 9906 3170, Passcode: 14910389

Prerequisites: CS 2334; Math 2423 or Math 2924 as prerequisite or concurrent enrollment

Textbook: G. Chartrand and P. Zhang, Discrete Mathematics, Waveland Press, 2011

Course Content: The course covers the theory of discrete structures useful in computer science. Topics include logic, sets, proof methods, relations and functions, algorithms and complexity, integers, combinatorics (counting methods), recurrence relations, ordered sets, graphs and trees.

Student Activities:

- Homework Assignments (30 %): One at the end of each Chapter
- Two Midterm Exams (20 % each): September 29 (R) and November 8 (T)
- Final Exam (30 %): December 14 (W), 1:30PM – 3:30PM

Remarks:

- Students are required to attend all class meetings. This means that a student missing a class meeting will take full responsibility for making up the lecture materials.
- All student activities are individual and cheating of any form will result in a formal academic misconduct charge.
- Any student who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.
- Should you need modifications or adjustments to your course requirements because of documented pregnancy-related or childbirth-related issues, please contact me as soon as possible.
- It is the policy of the University to excuse the absences of students that result from religious observances and to reschedule examinations and additional required classwork that may fall on religious holidays, without penalty.
- For any concerns regarding gender-based discrimination, sexual harassment, sexual assault, dating/domestic violence, or stalking, the University offers a variety of resources. To learn more or to report an incident, please contact the Sexual Misconduct Office at 405/325-2215 (8 to 5, M-F) or smo@ou.edu.